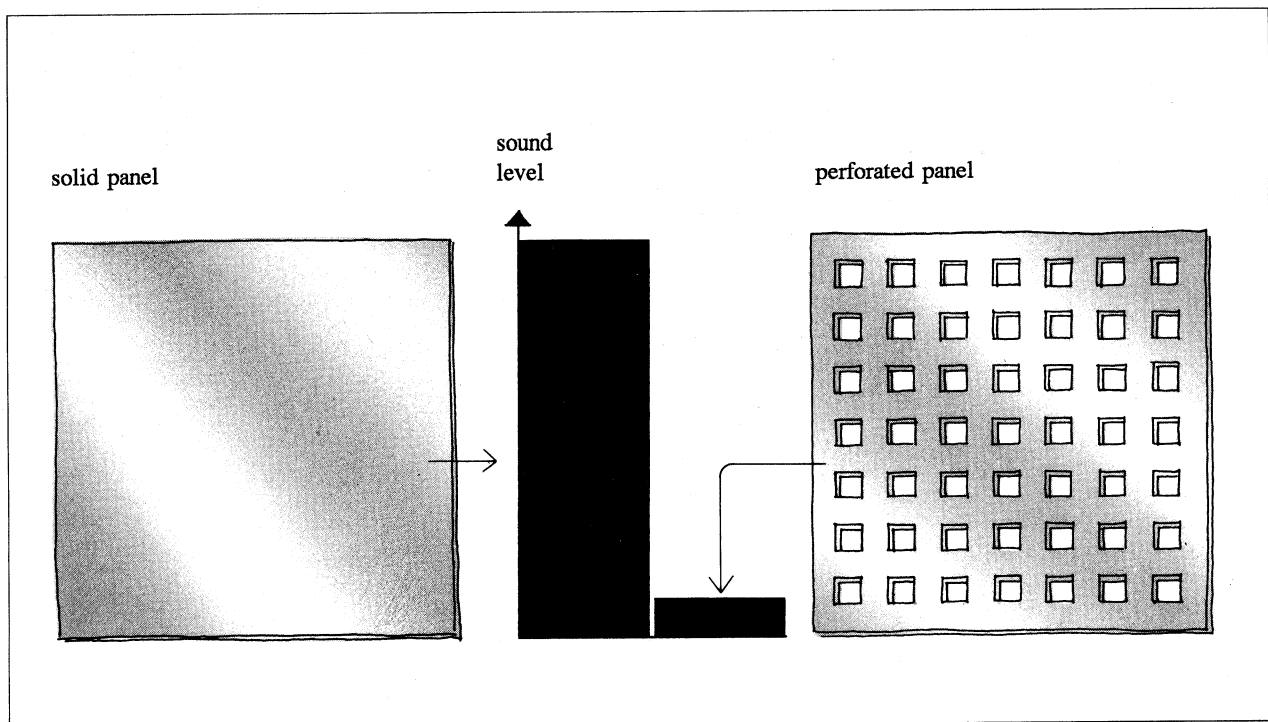


## DENSELY PERFORATED PLATES PRODUCE LESS NOISE

Large vibrating surfaces cannot always be avoided. The vibrating surface pumps air back and forth like the piston of a pump, causing sound radiation. If the panel is perforated, the "piston" leaks, and the pump functions poorly. Alternatives to perforated plates include mesh, gratings, and expanded metal.

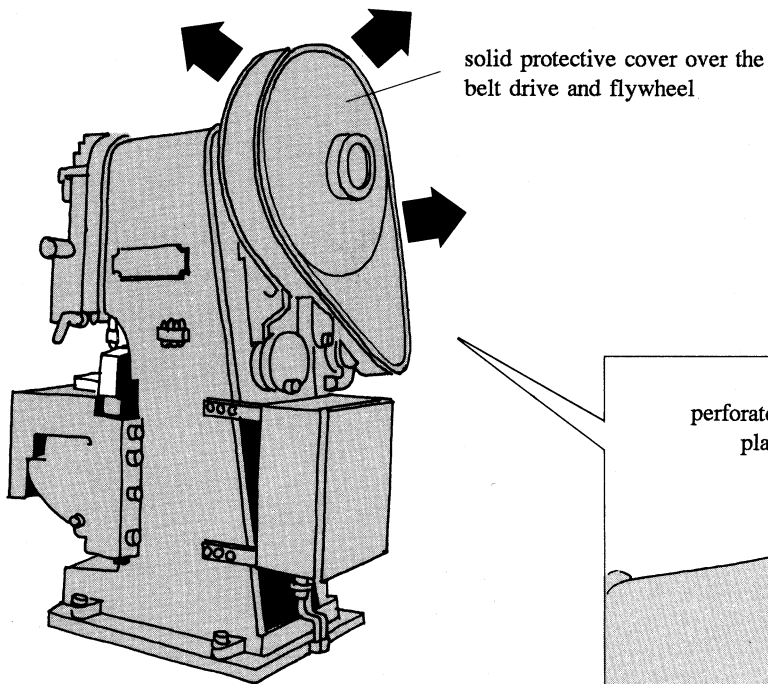
### Principle



## Application of hoods and protective covers

### Example

The protective cover over the fly-wheel and belt drive of a press is a major noise source. The cover is made of solid sheet metal.



### Control Measure

A new cover is made of perforated sheet metal and wire mesh. Sound radiation is reduced.

